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PATENT  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Juan Arroyo

Art Unit: 1642

Serial No.: 10/715,868

Examiner: Not yet assigned

Filed: November 17, 2003

Customer No.: 21559

Title: West Nile Virus Vaccine

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P.O. Box 1450  
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INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the enclosed Form PTO 1449, copies of which are enclosed. A copy of a search report from a corresponding international application is also enclosed.

Submission of this statement is not a representation that a search has been made, nor is the inclusion of information in this statement an admission that the information is material to patentability.

This statement is being filed before the receipt of a first Office action on the merits.

If there are any charges or any credits, please apply them to Deposit Account No.

03-2095.

Respectfully submitted,

Date: September 10, 2004

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SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 C.F.R. § 1.98(b))				Attorney Docket No. 06132/075002  Serial No. 10/715,868  Applicant Juan Arroyo  Filing Date November 17, 2003  Group 1642  IDS Filed September 10, 2004		
U.S. PATENTS						
Examiner's Initials	Patent Number or Publication Number	Issue Date or Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
	6,136,561	10/24/00	Ivy et al.			
	6,184,024 B1	02/06/01	Lai et al.			
	6,416,763 B1	07/09/02	McDonell et al.			
	6,696,281 B1	02/24/04	Chambers et al.			
	2003/0129201 A1	07/10/03	Monath et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
	WO 93/06214	04/01/93	WIPO			
	WO 98/37911	09/03/98	WIPO			
	WO 01/39802 A1	06/07/01	WIPO			
	WO 03/063725 A2	08/07/03	WIPO			
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
	Arroyo et al., "Molecular Basis for Attenuation of Neurovirulence of a Yellow Fever Virus/Japanese Encephalitis Virus Chimera Vaccine (ChimeriVax-JE)," J. Virol. 75:934-942, 2001.					
	Arroyo et al., "Yellow Fever Vector Live-Virus Vaccines: West Nile Virus Vaccine Development," Trends in Molecular Medicine 7:350-354, 2001.					
	Bray et al., "Construction of Intertypic Chimeric Dengue Viruses by Substitution of Structural Protein Genes," Proc. Natl. Acad. U.S.A. 88:10342-10346, 1991.					
	Caufour et al., "Construction, Characterization and Immunogenicity of Recombinant Yellow Fever 17D-Dengue Type 2 Viruses," Virus Research 1-14, 2001.					
	Chambers et al., "Mutagenesis of the Yellow Fever Virus NS2B/3 Cleavage Site: Determinants of Cleavage Site Specificity and Effects on Polyprotein Processing and Viral Replication," J. Virol. 69:1600-1605, 1995.					
	Chambers et al., "Vaccine Development Against Dengue and Japanese Encephalitis: Report of a World Health Organization Meeting," Vaccine 15:1494-1502, 1997.					
EXAMINER			DATE CONSIDERED			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

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		Serial No.	10/715,868
		Applicant	Juan Arroyo
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		Group	1642
		IDS Filed	September 10, 2004
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)			
	Chambers et al., "Yellow Fever/Japanese Encephalitis Chimeric Viruses: Construction and Biological Properties," J. Virol. 73:3095-3101, 1999.		
	Coia et al., "Nucleotide and Complete Amino Acid Sequences of Kunjin Virus: Definitive Gene Order and Characteristics of the Virus-Specified Proteins," J. Gen. Virol. 69:1-21, 1988.		
	Davis et al., "West Nile Virus Recombinant DNA Vaccine Protects Mouse and Horse from Virus Challenge and Expresses In Vitro a Noninfectious Recombinant Antigen That Can Be Used in Enzyme-Linked Immunosorbent Assays," J. Virology 75:4040-4047, 2001.		
	Duarte dos Santos et al., "Complete Nucleotide Sequence of Yellow Fever Virus Vaccine Strains 17DD and 17D-213," Virus Research 35:35-41, 1995.		
	Galler et al., "Genetic Variability Among Yellow Fever Virus 17D Substrains," Vaccine 16:1-5, 1998.		
	Galler et al., "The Yellow Fever 17D Vaccine Virus: Molecular Basis of Viral Attenuation and its Use as an Expression Vector," Braz. J. Biol. Res. 30:157-168, 1997.		
	Guirakhoo et al., "Construction, Safety, and Immunogenicity in Nonhuman Primates of a Chimeric Yellow Fever-Dengue Virus Tetravalent Vaccine," J. Virol. 75:7290-7304, 2001.		
	Guirakhoo et al., "Immunogenicity, Genetic Stability, and Protective Efficacy of a Recombinant, Chimeric Yellow Fever-Japanese Encephalitis Virus (ChimeriVax-JE) as a Live, Attenuated Vaccine Candidate Against Japanese Encephalitis," Virol. 257:363-372, 1999.		
	Lai et al., "Evaluation of Molecular Strategies to Develop a Live Dengue Vaccine," Clin. Diag. Virol. 10:173-179, 1998.		
	Mandl et al., "Sequence of the Genes Encoding the Structural Proteins of the Low-Virulence Tick-Borne Flaviviruses Langat TP21 and Yelantsev," Virol. 185:891-895, 1991.		
	Mandl et al., "Complete Genomic Sequence of Powassan Virus: Evaluation of Genetic Elements in Tick-Borne Versus Mosquito-Borne Flaviviruses," Virol. 194:173-184, 1993.		
	Marchevsky et al., "Phenotypic Analysis of Yellow Fever Virus Derived from Complementary DNA," American J. Tropical Medicine & Hygiene 52:75-80, 1995.		
	Monath et al., "Chimeric Yellow Fever Virus 17D-Japanese Encephalitis Virus Vaccine: Dose-Response Effectiveness and Extended Safety Testing in Rhesus Monkeys," J. Virol. 74:1742-1751, 2000.		
	Monath et al., "West Nile Virus Vaccine," Current Drug Targets-Infectious Disorders 1:1-14, 2001.		
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(37 C.F.R. § 1.98(b))			
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)			
	Pletnev et al., "Construction and Characterization of Chimeric Tick-Borne Encephalitis/Dengue Type 4 Viruses," Proc. Natl. Acad. Sci. U.S.A. 89:10532-10536, 1992.		
	Rice et al., "Transcription of Infectious Yellow Fever RNA from Full-Length cDNA Templates Produced by In Vitro Ligation," The New Biologist 1:285-296, 1989.		
	Shiu et al., "Genomic Sequence of the Structural Proteins of Louping Ill Virus: Comparative Analysis with Tick- Borne Encephalitis Virus," Virology 180:411-415, 1991.		
	Stocks et al., "Signal Peptidase Cleavage at the Flavivirus C-prM Junction: Dependence on the Viral NS2B-3 Protease for Efficient Processing Requires Determinants in C, the Signal Peptide, and prM," J. Virol. 72:2141- 2149, 1998.		
	Van Der Most et al., "Chimeric Yellow Fever/Dengue Virus as a Candidate Dengue Vaccine: Quantitation of the Dengue Virus-Specific CD8 T-Cell Response," J. Virol. 74:8094-8101, 2000.		
	Venugopal et al., "Towards a New Generation of Flavivirus Vaccines," Vaccines 12:966-975, 1994.		
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